Freeform Search

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Term: L29 same l28

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DATE: Thursday, April 08, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ			
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L37	l35 with l29	236	L37
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L35	wound with l7	5249	L35
L34	l7 same l33	21	L34
L33	l31 with antimicrobial	380	L33
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L30	L29 same l28	5	L30
L29	infectious or infection	201197	L29
L28	antimicrobial with gene therapy	64	L28
L27	l25 and l1	0	L27
L26	L25 same l1	0	L26
L25	l23 same l5	0	L25
L24	L23 with l5	0	L24
L23	L22 with antimicrobial	427	L23

L22	L21 with l2	494	L22
L21	wound healing	20820	L21
L20	l18 same l2	5	L20
L19	L18 with l2	1	L19
L18	l7 with l13	462	L18
L17	L16 with (l1 or l6)	1	L17
L16	L15 with l7	147	L16
L15	L14 with l2	4377	L15
L14	L13 or l11	1752003	L14
L13	microparticle or microsphere or nanoparticle	53963	L13
L12	L11 and l10	5	L12
L11	polymer	1731551	L11
L10	L9 with l7	16	L10
L9	l2 with l1	6926	L9
L8	L7 with l6	1	L8
L7	catheter or medical device or stent	113076	L7
L6	L5 with l2	2311	L6
L5	L4 or l3	328763	L5
L4	plasmid	77611	L4
L3	vector	314918	L3
L2	antimicrobial or toxin	100128	L2
L1	dna or plasmid or nucleic or polynucleotide	245067	L1

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☐ 1. Document ID: US 20030091609 A1

Using default format because multiple data bases are involved.

L8: Entry 1 of 1 File: PGPB May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030091609
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030091609 A1

TITLE: Medical device and methods of use

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hendriks, Marc	Brunssum		NL	

US-CL-CURRENT: 424/423; 514/44

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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L10: Entry 5 of 16 File: PGPB May 15, 2003

DOCUMENT-IDENTIFIER: US 20030091609 A1
TITLE: Medical device and methods of use

Summary of Invention Paragraph:
[0001] The present invention relates to medical devices (e.g., implantable pulse generators) that include a polymer and a polynucleotide. referably, the medical device can be used to prevent or treat medical device-associated infections. In some aspects of the present invention, the medical devices carry a polynucleotide that encodes an antimicrobial peptide and inhibits the growth of pathogens. In other aspects of the present invention, the medical devices carry eukaryotic cells (e.g., endothelial cells) that express an antimicrobial peptide and inhibit the growth of pathogens.

Summary of Invention Paragraph:
[0013] In comparison with known medical devices, various embodiments of the present invention provide one or more of the following advantages: (a) inhibiting the growth of pathogenic microorganisms by exposure of the microorganisms to antimicrobial peptides; (b) providing a polynucleotide encoding an antimicrobial peptide to a cell present in a patient such that the cell expresses the antimicrobial peptide; (c) providing a cell that expresses an antimicrobial peptide; and (d) making an antimicrobial peptide available at the site of implantation of a medical device and thereby decreasing the likelihood of a medical device associated infection.

Detail Description Paragraph:
[0051] The present invention further provides methods for making a medical device for local delivery of a polynucleotide or local delivery of a cell encoding an antimicrobial peptide. The IPGs of this invention can be provided in a sterile, dehydrated form, in a hydrated form with polynucleotides or cells or as a first polymer covered IPG supplied with the necessary materials to facilitate adding the polynucleotides or cells and further coating or covering of the IPG as needed. Therefore, this invention also relates to a kit that includes an IPG with a first polymer composition, buffers suitable for rehydrating the IPG and adding the polynucleotides or cells and a container to facilitate sterile addition of the polynucleotide to the IPG. Optionally, the kit can include further coatings or coverings to be applied over the first polymer composition. In a preferred aspect, the kit includes: an IPG that includes a surface that contacts the tissue of a patient, and a first polymer composition covering at least a portion of the surface of the IPG; a polynucleotide-adding or cell-adding composition to be applied to the IPG; and a container to house the IPG and the composition during application of the polynucleotide-adding or cell-adding composition.

Detail Description Paragraph:
[0054] The antimicrobial peptides encoded by the polynucleotides that are associated with the medical devices of the present invention aid in the prevention or treatment of medical device-associated infections. The polynucleotides are released from the carrier and are taken up by cells adjacent to the carrier in the patient, for instance, cells present in the tissue that makes up the wall of the pocket into which the carrier has been implanted. Preferably, the polynucleotides are released from the carrier over a period of time (i.e., there is a sustained

release of the polynucleotides), preferably during the first 14 days after implantation, more preferably during the first 7 days after implantation.

CLAIMS:

10. The medical device of claim 1 wherein the polynucleotide comprises a coding sequence encoding an antimicrobial peptide.

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L10: Entry 9 of 16 File: PGPB Jul 12, 2001

DOCUMENT-IDENTIFIER: US 20010007933 A1
TITLE: Endocardial infusion catheter

CLAIMS:

1. A catheter system comprising: a.) an elongated catheter body having a proximal end, a distal end and an internal longitudinal lumen; the internal lumen of the catheter body being fluidly coupled to a fluid delivery port for receiving a therapeutic compound; and a hollow penetrating structure for inserting into tissue, the penetrating structure being mounted to the distal end of the catheter body and having an internal lumen fluidly coupled to the internal lumen of the catheter body, and b.) a source of said therapeutic compound selected from the group consisting of polynucleotides, gene therapy agents, cells, cell substitutes, targeting constructs homologous to an endogenous target gene, and genes encoding a toxin.

28. The catheter of claim 17 further comprising a source of the therapeutic compound selected from the group consisting of polynucleotides, gene therapy agents, cells, cell substitutes, targeting constructs homologous to an endogenous target gene, and genes encoding a toxin.

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L12: Entry 1 of 5 File: PGPB Nov 20, 2003

DOCUMENT-IDENTIFIER: US 20030216790 A1
TITLE: Method and system for monitoring and controlling systemic and pulmonary circulation during a medical procedure

Detail Description Paragraph:
[0040] Sensor 5 may include one or more imaging systems, camera systems operating in UV, visible, or IR range; electrical sensors; voltage sensors; current sensors; piezoelectric sensors; electromagnetic interference (EMI) sensors; photographic plates, polymer-metal sensors; charge-coupled devices (CCDs); photo diode arrays; chemical sensors, electrochemical sensors; pressure sensors, sound wave sensors; magnetic sensors; UV light sensors; visible light sensors; IR light sensors; radiation sensors; flow sensors; temperature sensors; or any other appropriate or suitable sensor. Sensor 5 may be a continuous, inline monitoring system or it may be attached to an extracorporeal device.

Detail Description Paragraph:
[0099] When the medical procedure comprises one or more medical devices, e.g., coated stents, these devices may be coated with one or more radioactive materials and/or biological agents such as, for example, an anticoagulant agent, an antithrombotic agent, a clotting agent, a platelet agent, an anti-inflammatory agent, an antibody, an antigen, an immunoglobulin, a defense agent, an enzyme, a hormone, a growth factor, a neurotransmitter, a cytokine, a blood agent, a regulatory agent, a transport agent, a fibrous agent, a protein, a peptide, a proteoglycan, a toxin, an antibiotic agent, an antibacterial agent, an antimicrobial agent, a bacterial agent or component, hyaluronic acid, a polysaccharide, a carbohydrate, a fatty acid, a catalyst, a drug, a vitamin, a DNA segment, a RNA segment, a nucleic acid, a lectin, an antiviral agent, a viral agent or component, a genetic agent, a ligand and a dye (which acts as a biological ligand). Biological agents may be found in nature (naturally occurring) or may be chemically synthesized.